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## MATERIAL SAFETY DATA SHEET

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### 1. CHEMICAL PRODUCT AND COMPANY IDENTIFICATION

Product Name: 3-Aminophenol

Sarchem Laboratories, Inc.  
5012 Industrial Road  
Farmingdale, NJ 07727

Emergency Phone No: 800-255-3924  
International: +1-813-248-0585  
ChemTel Inc

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### 2. COMPOSITION/INFORMATION ON INGREDIENTS

| <u>Component</u> | <u>CAS</u> | <u>EC:NO</u> | <u>Molecular Weight</u> |
|------------------|------------|--------------|-------------------------|
| 3-Aminophenol    | 591-27-5   | 209-711-2    | 109.13 g/mol            |

Synonyms:

Formula: C<sub>6</sub>H<sub>7</sub>NO

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### 3. HAZARDS INFORMATION:

#### Emergency Overview

##### OSHA Hazards

Target Organ Effect, Harmful by ingestion., Irritant

##### Target Organs

Eyes

##### GHS Classification

Acute toxicity, Oral (Category 4)

Acute toxicity, Inhalation (Category 4)

Skin irritation (Category 3)

Eye irritation (Category 2A)

Acute aquatic toxicity (Category 2)

Hazard statement(s)

H302 + H332 Harmful if swallowed or if inhaled

H316 Causes mild skin irritation.

H319 Causes serious eye irritation.

H401 Toxic to aquatic life.

**Precautionary statement(s)**

P305 + P351 + P338 IF IN EYES: Rinse cautiously with water for several minutes. Remove contact lenses, if present and easy to do. Continue rinsing

**HMIS Classification**

|                          |   |
|--------------------------|---|
| <b>Health Hazard:</b>    | 2 |
| <b>Flammability:</b>     | 0 |
| <b>Physical hazards:</b> | 0 |

**NFPA Rating**

|                          |   |
|--------------------------|---|
| <b>Health Hazard:</b>    | 2 |
| <b>Flammability:</b>     | 0 |
| <b>Physical hazards:</b> | 0 |

**Potential Health Effects:**

|                   |  |
|-------------------|--|
| <b>Inhalation</b> | <b>May be harmful if inhaled. Causes respiratory tract irritation.</b> |
| <b>Skin</b>       | <b>Harmful if absorbed through skin. Causes skin irritation.</b>       |
| <b>Eyes</b>       | <b>Causes eye irritation.</b>  |
| <b>Ingestion</b>  | <b>Harmful if swallowed.</b>   |

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**4. FIRST AID MEASURES:****General Advice**

Consult a physician. Show this safety data sheet to the doctor in attendance. Move out of dangers area.

**If inhaled**

If breathed in, move person into fresh air. If not breathing give artificial respiration. Consult a physician.

**In case of skin contact**

Take off contaminated clothing and shoes immediately. Wash off with soap and plenty of water. Consult a physician.

**In case of eye contact**

Flush eyes with water as a precaution.

**If swallowed**

Do NOT induce vomiting. Rinse mouth with water. Consult a physician.

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**5. FIRE FIGHTING MEASURES**

**Conditions of flammability**

Not flammable or combustible.

**Suitable extinguishing media**

Use water spray, alcohol-resistant foam, dry chemical or carbon dioxide.

**Special protective equipment for fire-fighters**

Wear self contained breathing apparatus for fire fighting if necessary.

**Hazardous combustion products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NOx)

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**6. Accidental Release Measures**

**Personal precautions**

Use personal protective equipment. Avoid dust formation. Avoid breathing vapors, mist or gas. Ensure adequate ventilation. Avoid breathing dust.

**Environmental precautions**

Prevent further leakage or spillage if safe to do so. Do not let product enter drains. Discharge into the environment must be avoided.

**Methods for cleaning up**

Pick up and arrange disposal without creating dust. Sweep up and shovel. Keep in suitable, closed containers for disposal.

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**7. Handling and Storage**

**Handling**

Avoid contact with skin and eyes. Avoid formation of dust and aerosols. Provide appropriate exhaust ventilation at places where dust is formed.

**Storage**

Keep container tightly closed in a dry and well-ventilated place.

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**8. Exposure Controls / Personal Protection**

Contains no substances with occupational exposure limit values.

**Personal protective equipment**

**Respiratory protection**

For nuisance exposures use type P95 (US) or type P1 (EU EN 143) particle respirator. For higher level protection use type OV/AG/P99 (US) or type ABEK-P2 (EU EN 143) respirator cartridges. Use respirators and components tested and approved under appropriate government standards such as NIOSH (US) or CEN (EU).

**Hand protection**

Handle with gloves. Gloves must be inspected prior to use. Use proper glove removal technique (without touching glove's outer surface) to avoid skin contact with this product. Dispose of contaminated gloves after use in accordance with applicable laws and good laboratory practices. Wash and dry hands.

**Eye protection**

Safety glasses with side-shields conforming to EN166 Use equipment for eye protection tested and approved under appropriate government standards such as NIOSH (US) or EN 166(EU).

**Skin and body protection**

Complete suit protecting against chemicals, The type of protective equipment must be selected according to the concentration and amount of the dangerous substance at the specific workplace.

**Hygiene measures**

Handle in accordance with good industrial hygiene and safety practice.

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**9. PHYSICAL AND CHEMICAL PROPERTIES:****Appearance**

|       |                    |
|-------|--------------------|
| Form  | crystalline powder |
| Color | white, beige       |

**Safety data**

|                      |   |
|----------------------|---|
| pH                   | no data available                                       |
| Melting Point        | Melting point/range: 120 - 124 °C (248 - 255 °F) - lit. |
| Boiling Point        | 164 °C (327 °F) at 15 hPa (11 mmHg) - lit.              |
| Flash Point          | no data available                                       |
| Ignition temperature | no data available                                       |
| Lower exposure limit | no data available                                       |
| Upper exposure limit | no data available                                       |
| Vapor pressure       | no data available                                       |
| Water solubility     | no data available                                       |

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**10. Stability and Reactivity**

Stable under recommended storage conditions.

**Possibility of hazardous reactions**

no data available

**Conditions to avoid**

no data available

**Materials to avoid**

Oxidizing agents

**Hazardous decomposition products**

Hazardous decomposition products formed under fire conditions. - Carbon oxides, nitrogen oxides (NO<sub>x</sub>)

**Other decomposition products**

no data available

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**11. Toxicological Information**

**Oral LD50**

LD50 Oral - rat - 924 mg/kg

Remarks: Peripheral Nerve and Sensation:Spastic paralysis with or without sensory change.

Behavioral:Excitement.

Lungs, Thorax, or Respiration:Other changes.

**Inhalation LC50**

LC50 Inhalation - rat - 1,162 mg/m<sup>3</sup>

Remarks: Peripheral Nerve and Sensation:Spastic paralysis with or without sensory change.

Behavioral:Excitement.

Lungs, Thorax, or Respiration:Other changes.

**Dermal LD50**

no data available

**Other information on acute toxicity**

no data available

**Skin corrosion/irritation**

Skin - rabbit - Mild skin irritation - 24 h

**Serious eye damage/eye irritation**

Eyes - rabbit - Moderate eye irritation - 24 h

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**Germ cell mutagenicity**

no data available

**Carcinogenicity**

**IARC:** No component of this product present at levels greater than or equal to 0.1% is identified as probable, possible or confirmed human carcinogen by IARC.

**ACGIH:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by ACGIH.

**NTP:** No component of this product present at levels greater than or equal to 0.1% is identified as a known or anticipated carcinogen by NTP.

**OSHA:** No component of this product present at levels greater than or equal to 0.1% is identified as a carcinogen or potential carcinogen by OSHA.

**Reproductive toxicity**

no data available

**Specific target organ toxicity - single exposure (Globally Harmonized System)**

no data available

**Specific target organ toxicity - repeated exposure (Globally Harmonized System)**

no data available

**Potential health effects**

**Inhalation** May be harmful if inhaled. May cause respiratory tract irritation.

**Ingestion** May be harmful if swallowed.

**Skin** May be harmful if absorbed through skin. May cause skin irritation.

**Eyes** May cause eye irritation.

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**12. Ecological Information**

**Elimination information (persistence and degradability)**

No data available

**Ecotoxicity effects**

No data available

**Further information on ecology**

No data available

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### 13. Disposal Considerations

#### Product

Observe all federal, state, and local environmental regulations. Contact a licensed professional waste disposal service to dispose of this material. Dissolve or mix the material with a combustible solvent and burn in a chemical incinerator equipped with an afterburner and scrubber

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### 14. Transportation Information

#### DOT (US)

UN number: 2512      Class: 6.1      Packing group: III

Proper shipping name: Aminophenols (o-; m-; p-)

Marine pollutant: No

Poison Inhalation Hazard: No

#### IMDG

UN number: 2512      Class: 6.1      Packing group: III EMS-No: F-A, S-A

Proper shipping name: AMINOPHENOLS

Marine pollutant: No

#### IATA

UN number: 2512      Class: 6.1      Packing group: III

Proper shipping name: Aminophenols

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### 15. Regulatory Information

#### OSHA Hazards

Target Organ Effect, Harmful by ingestion., Irritant

#### DSL Status

All components of this product are on the Canadian DSL list.

#### SARA 302 Components

SARA 302: No chemicals in this material are subject to the reporting requirements of SARA Title III, Section 302.

#### SARA 313 Components

SARA 313: This material does not contain any chemical components with known CAS numbers that exceed the threshold (De Minimis) reporting levels established by SARA Title III, Section 313.

#### SARA 311/312 Hazards

No SARA Hazards

**16. OTHER INFORMATION:****Further Information**

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